

COASTAL ZONE ENVIRONMENTAL IMPACT OFFSET MATRIX

Page 1 of 3

Applicant: Green Recovery Technologies, LLC

Project: 42 Lukens Drive, New Castle DE

Attachment 13

Application Date: January 26, 2015

Amendments: Rev 0

CZA Offset Review Reference: (DNREC Use Only)

Offset Review Date: (DNREC Use Only)

Matrix Amended: N/A

ENVIRONMENTAL IMPACTS	(Applicant's Use) DESCRIBE ENVIRONMENTAL IMPACTS	PAGE NO.	(Applicant's Use) DESCRIBE ENVIRONMENTAL OFFSET PROPOSAL ¹	PAGE NO.	(DNREC Use Only) OFFSET SUFFICIENCY Yes, No or N/A
Air Quality (Applicant to List Below by Parameter)				3	
NOx	10,057 lbs. emitted annually from boiler operation	2	7 tons of ozone seasoned Nox provided by DEDO as an offset clearly and demonstrably offset emissions from the small boiler. This also provides a ratio of 1.3:1 which is consistent with previous coastal zone regulations.	3	
CO	4,446 lbs. emitted annually from boiler operation	2		3	
CO ₂	6,351,586 lbs. emitted annually from boiler operation	2		3	
N ₂ O	116 lbs. emitted annually from boiler operation	2		3	
SO ₂	32 lbs. emitted annually from boiler operation	2		3	
TOC	582 lbs. emitted annually from boiler operation	2		3	
Methane	122 lbs. emitted annually from boiler operation	2		3	
VOC	291 lbs. emitted annually from boiler operation	2		3	
Water Quality	No water quality impacts are expected				
Surface					
Groundwater					
Water Quantity	No water quantity impacts expected				
Surface					
Groundwater					
Water Use For:	(normal volumes)				
Processing					
Cooling					
Effluent Removal					
Solid Waste	Office wastes/administrative wastes of 5,625 lbs./year	2	Office waste recycling program	NA	
Hazardous Waste	No hazardous waste impacts expected				
Habitat	No habitat impact expected - will use existing industrial area footprint				
Wetlands					
Flora Fauna					
Drainage/Flood Control	No change in drainage/flood control				
Erosion ²	No change in erosion				
Land Use Effects	No change in land use				
Glare					
Heat					
Noise					
Odors					
Vibration					
Radiation					
Electro-Magnetic Interference					
Other Effects					
Threatened & Endangered Species	No threat to any endangered/threatened species				
Impacts From:	No impact from production - raw material through final product				
Raw Material					
Intermediate Products					
By-Products					
Final Products					